

## Rural Utilities Service, USDA

## § 1755.509

(ff) System polarity and conductor identification shall be maintained in NIDs, BETs, or fused primary station protectors in accordance with construction drawings 815 and 815-1 contained in §1755.510.

[66 FR 43317, Aug. 17, 2001, as amended at 69 FR 18803, Apr. 9, 2004]

### § 1755.509 Mobile homes.

(a) Customer access location installations at mobile homes shall be treated the same whether the homes are mounted on permanent foundations or temporary foundations and shall be installed as specified in §§1755.500 through 1755.510. For the purpose of this section, mobile homes include manufactured homes, motor homes, truck campers, travel trailers, and all forms of recreational vehicles. Customer access location installations at mobile homes can be considerably different than customer access location installations at regular homes and borrowers shall be certain that the two types of installations are properly applied.

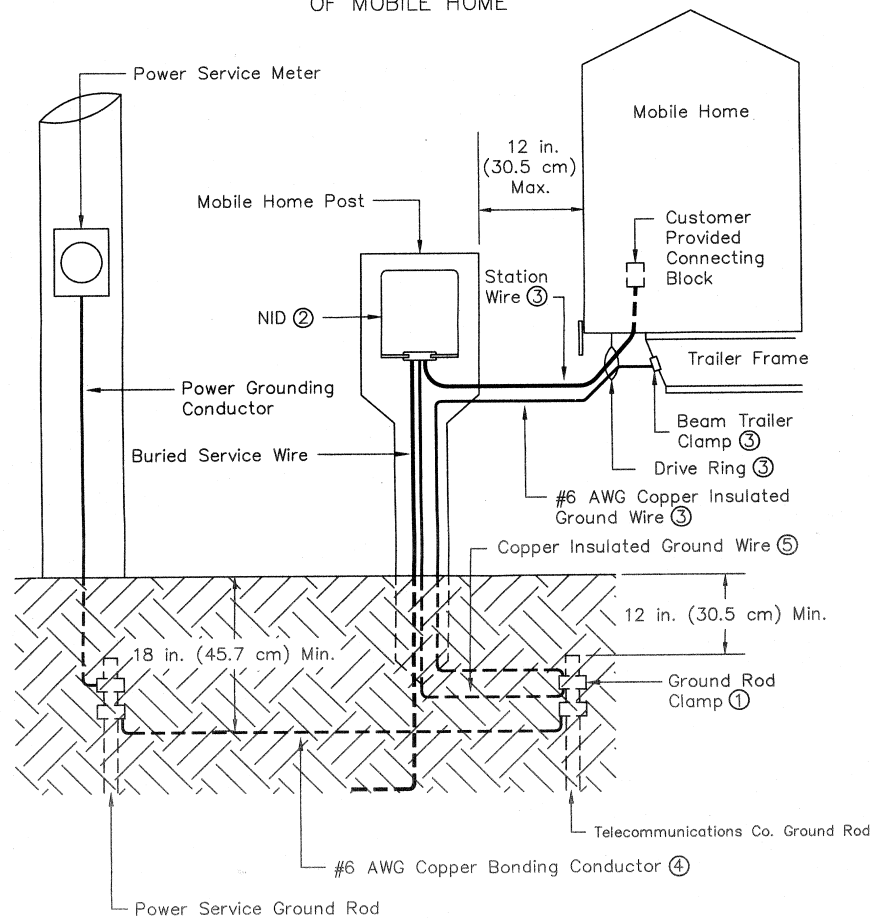
(b) The method of customer access location installation prescribed by the ANSI/NFPA 70-1999, *NEC*®, for a mobile home depends on how the electric power is installed at the mobile home and it can involve considerable judgment on the part of the telecommunications installer. The *National Electrical Code*® and *NEC*® are registered trademarks of the National Fire Protection Association, Inc., Quincy, MA 02269. The ANSI/NFPA 70-1999, *NEC*®, is incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies are available from NFPA, 1 Batterymarch Park, P. O. Box 9101, Quincy, Massachusetts 02269-9101,

telephone number 1 (800) 344-3555. Copies of ANSI/NFPA 70-1999, *NEC*®, are available for inspection during normal business hours at RUS, room 2905, U.S. Department of Agriculture, 1400 Independence Avenue, SW., STOP 1598, Washington, DC 20250-1598, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html). The ANSI/NFPA 70-1999, *NEC*®, requires primary station protectors to be located where specific acceptable grounding electrodes exist. The ANSI/NFPA 70-1999, *NEC*®, allows station protector installations to be at the location of the power meter or the electric disconnecting means apparatus serving the mobile home providing these electric facilities are installed in the manner specifically defined by the ANSI/NFPA 70-1999, *NEC*®. The ANSI/NFPA 70-1999, *NEC*®, requires the station protectors to be installed at the nearest of a number of other meticulously defined ANSI/NFPA 70-1999, *NEC*®, acceptable electrodes where the protector cannot be installed at the power meter or the electric disconnecting means apparatus serving the mobile home. The provisions can be confusing.

(c) NIDs shall be installed at mobile homes as follows:

(1) Where the mobile home electric service equipment (power meter, etc.) or the electric service disconnecting means associated with the mobile home is located within 35 ft (10.7 m) of the exterior wall of the mobile homes it serves, the NID shall be installed in accordance with Figure 17 as follows:

FIGURE 17  
 NETWORK INTERFACE DEVICE (NID) INSTALLATION  
 ELECTRIC SERVICE EQUIPMENT WITHIN 35 FEET (10.7 METERS)  
 OF MOBILE HOME

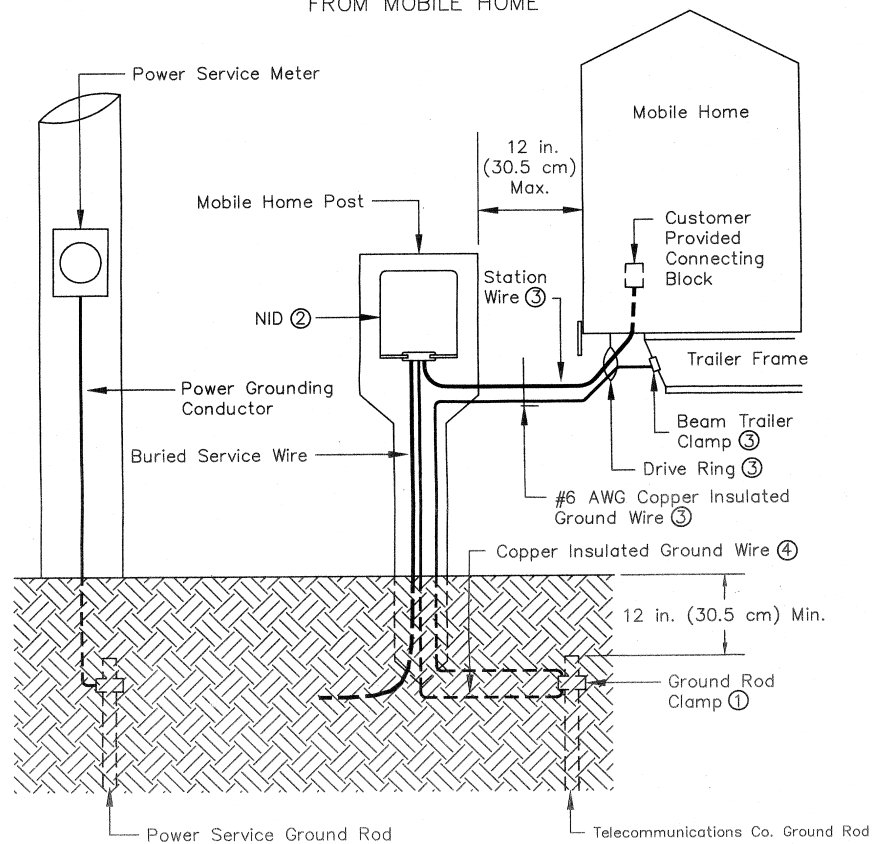


Notes: ① Clamp must be accepted by Listing Agency (UL, etc.) for two conductors, otherwise two clamps must be used.  
 ② See Figure 19 of paragraph (e) of this section for NID terminations. ③ See Figure 20 of paragraph (e) of this section for mobile home installation. ④ Bare if buried its entire length; insulated where human contact is possible. ⑤ See Section 1755.508, paragraph (v), Table 5 for the correct conductor size of the ground wire.

(2) Where the mobile home electric service equipment (power meter, etc.) or the electric service disconnecting means associated with the mobile home is located more than 35 ft (10.7 m)

from the exterior wall of the mobile homes it serves, the NID shall be installed in accordance with Figure 18 as follows:

FIGURE 18  
 NETWORK INTERFACE DEVICE (NID) INSTALLATION  
 ELECTRIC SERVICE EQUIPMENT MORE THAN 35 FEET (10.7 METERS)  
 FROM MOBILE HOME



Notes: ① Clamp must be accepted by Listing Agency (UL, etc.) for two conductors, otherwise two clamps must be used. ② See Figure 19 of paragraph (e) of this section for NID terminations. ③ See Figure 20 of paragraph (e) of this section for mobile home installation. ④ See Section 1755.508, paragraph (v), Table for the correct conductor size of the ground wire.

(d) The service wire and station wire shall be terminated in the NID in accordance with Figure 19 in paragraph (e) of this section.

(e) Installation of the station wire and grounding conductor at the mobile home shall be in accordance with Figure 20. Figures 19 and 20 are as follows:

FIGURE 19  
NID TERMINATIONS

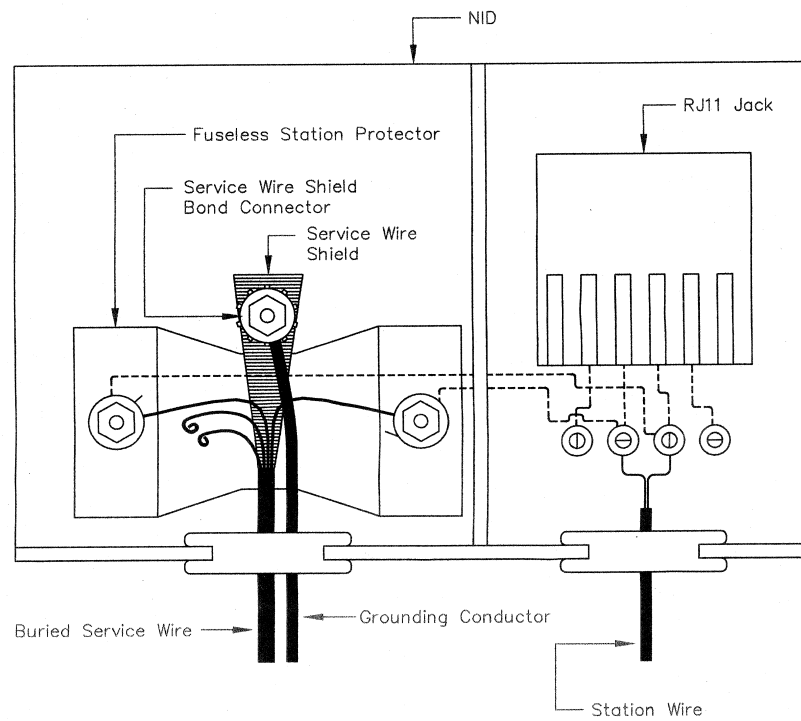
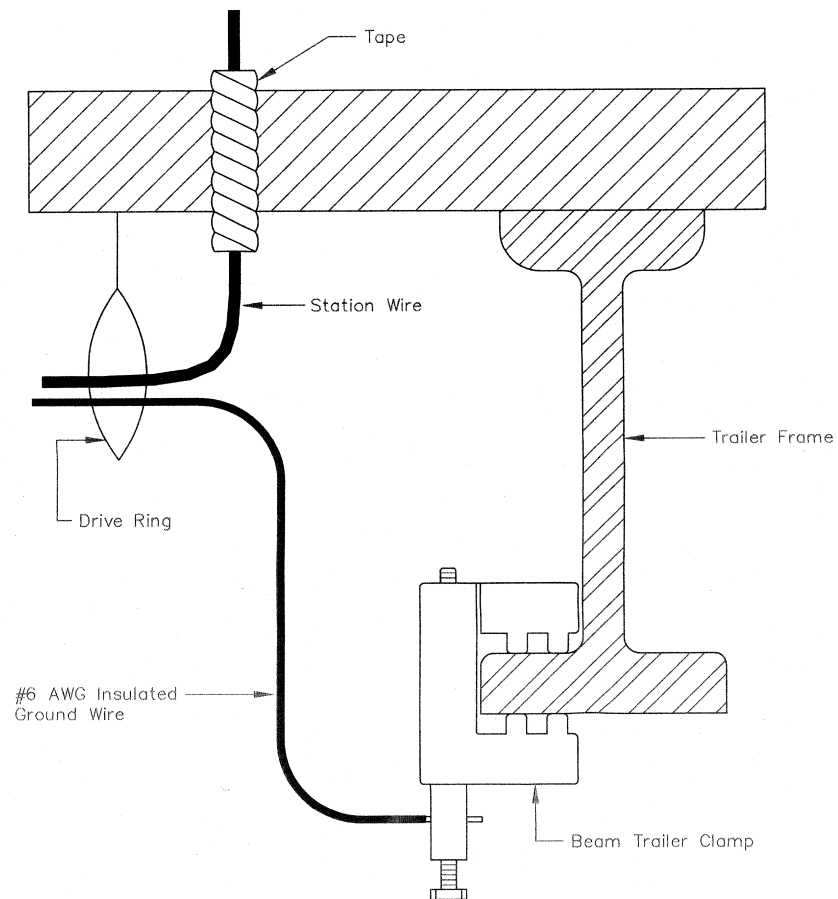


FIGURE 20  
MOBILE HOME INSTALLATION



[66 FR 43317, Aug. 17, 2001, as amended at 69 FR 18803, Apr. 9, 2004]

**§ 1755.510 Construction and assembly unit drawings.**

(a) The construction and assembly unit drawings in this section shall be used by borrowers to assist the installer in making the customer access location installations.

(b) The asterisks appearing on the construction drawings indicate that the items are no longer listed in the RUS Informational Publication (IP) 344-2, "List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers." RUS IP 344-2 can